

ABSTRACT OF DISCLOSURE

Sub A1

5 Composition for and method of stimulating growth of
plants, e.g. increase in crop production. The
composition comprises a carbon skeleton/energy
component, typically a sugar or mixture of sugars; a
macronutrient component providing the elements
nitrogen, phosphorus, potassium and calcium,
preferably also magnesium and sulfur; a micronutrient
component providing zinc, iron and manganese,
10 preferably also copper, boron, molybdenum and cobalt.
The composition also preferably contains a
vitamin/cofactor component and an enhancement
component. The composition may be in the form of an
aqueous solution or in a form suitable for coating
15 seeds or coating pollen. It may be applied as a
foliar spray, as a soil amendment, as a root dip or
as an injectable solution. Preferably where, for
example, it is used as a foliar spray it is applied
at intervals at different stages of growth.

20 The method is useful for treating vegetation to
promotes plant growth and/or crop production, also
for treating pollen, seeds, roots and soil and
inhibiting growth of insects and micro-organisms. A
formulation including an energy/carbon skeleton
component, a macro nutrient component and a micro
25 nutrient component is applied, e.g. in aqueous
solution by foliar spraying. This is done in a
manner to make optimum use of the inherent ability of
vegetation to harvest solar energy and to utilize
other sources of energy and carbon skeleton, such
30 that the energy and nutrients applied by the method
of the invention is a fraction of the energy and
carbon skeleton requirements of the vegetation.

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